

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number 10/540,264

Filing Date June 23, 2005

First Named Inventor ISAJI et al.

Group Art Unit 3661

Examiner Name ARTHUR-JEANGLAUDE, GERTRUDE

Attorney Docket Number 01-518-TN



ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input checked="" type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> To Convert a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Request for Certificate of Correction
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Small Entity Statement	<input checked="" type="checkbox"/> Copy of Original Letters Patent (first page only) showing correction
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request of Refund	<input checked="" type="checkbox"/> Copy of the Notice of Recordation of Assignment Document as received from the PTO, with a mailing date of May 12, 2006
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		<input checked="" type="checkbox"/> Copy of originally submitted Issue Fee Transmittal Form PTOL-85B showing correction
	Remarks	<input checked="" type="checkbox"/> PTO Form SB 44
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

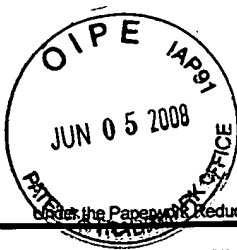
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	David G. Posz Posz Law Group, PLC
Signature	
Date	June 5, 2008

Certificate
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of Correction

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PTO/SB/17 (10-07)
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Effective on 12/8/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL For FY 2008		Complete if Known		
		Application Number	10/540,264	
		Filing Date	June 23, 2005	
		First Named Inventor	ISAJI et al.	
		Examiner Name	ARTHUR-JEANGLAUDE, GERTRUDE	
<input type="checkbox"/> Applicant Claims small entity status. See 37 CFR 1.27		Art Unit	3661	
TOTAL AMOUNT OF PAYMENT		(\$) 130	Attorney Docket No.	01-518-TN

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: **50-1147** Deposit Account Name: **Posz Law Group, PLC**

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	310	155	510	255	210	105	
Design	210	105	100	50	130	65	
Plant	210	105	310	155	160	80	
Reissue	310	155	510	255	620	310	
Provisional	210	105	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	210	105
Multiple dependent claims	370	185
Total Claims	Extra Claims	Fee (\$)
0	- 20 or HP = 0	x \$50 = \$0
HP = highest number of total claims paid for, if greater than 20		
Indep. Claims	Extra Claims	Fee (\$)
0	- 3 or HP = 0	x \$210 = \$0
HP = highest number of independent claims paid for, if greater than 3		

3. APPLICATION SIZE FEE


If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41 (a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
0	- 100 = 0	/ 50 = (round up to a whole number) x		\$0

4. OTHER FEE(S)

Non-English Specification,	\$130 fee (no small entity discount)	
Other:	Certificate of Correction Fee	\$130

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	37,701	Telephone	(703) 707-9110
Name (Print/Type)	DAVID G. POSZ	Date	June 5, 2008		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND TO USPTO**
FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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PTO/SB/17 (10-07)
Approved for use through 06/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/8/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL For FY 2008		Complete if Known	
		Application Number	10/540,264
		Filing Date	June 23, 2005
		First Named Inventor	ISAJI et al.
		Examiner Name	ARTHUR-JEANGLAUDE, GERTRUDE
<input type="checkbox"/> Applicant Claims small entity status. See 37 CFR 1.27		Art Unit	3661
TOTAL AMOUNT OF PAYMENT		(\$)	130
		Attorney Docket No.	01-518-TN

METHOD OF PAYMENT (check all that apply)

- ☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____
- ☒ Deposit Account Deposit Account Number: 50-1147 Deposit Account Name: Posz Law Group, PLC
- For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)
- ☐ Charge fee(s) indicated below ☐ Charges fee(s) indicated below, except for the filing fee
- ☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	310	155	510	255	210	105	
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Provisional	210	105	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	210	105
Multiple dependent claims	370	185

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
0	- 20 or HP = 0	x \$50	= \$0			
					\$370	\$0

HP = highest number of total claims paid for, if greater than 20

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
0	- 3 or HP = 0	x \$210	= \$0

HP = highest number of independent claims paid for, if greater than 3

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Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
0	- 100 = 0	/ 50 = (round up to a whole number) x	=	\$0
				Fees Paid (\$)

4. OTHER FEE(S)

Non-English Specification,	\$130 fee (no small entity discount)	
Other:	Certificate of Correction Fee	\$130

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	37,701	Telephone	(703) 707-9110
Name (Print/Type)	DAVID G. POSZ	Date	June 5, 2008		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief, Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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JUN 10 2008

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): ISAJI et al.

Serial No.: 10/540,264

Filed: June 23, 2005

Title: **SAFETY DEVICE FOR A VEHICLE**

Patent No.: 7,343,235

Issued: March 11, 2008

Atty. Dkt.: 01-518-TN

Commissioner for Patents
Alexandria, VA 22313-1450

Date: June 5, 2008

Mail Stop: Certificate of Corrections

REQUEST FOR CERTIFICATE OF CORRECTION

Sir:

Applicants hereby request that the above-identified Letters Patent be amended to correct the named Assignees in item (73) on the first page of the patent. Specifically, the inventors of the Letters Patent should be corrected to read as:

DENSO CORPORATION, Kariya (JP);

Toyota Jidosha Kabushiki Kaisha, Toyota (JP).

The copy of the originally submitted Issue Fee Transmittal Form PTOL-85B is attached as proof that this mistake was due to a typographical error.

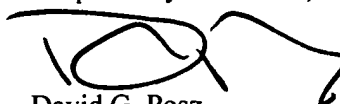
Applicant also requests that the attached Certificate of Correction be attached to all copies of the Letters Patent.

To facilitate the above request, copies of the following documents are enclosed:

- Copy of original Letters Patent title page showing correction (1 page);
- Form PTO/SB/44 (1 page);
- Copy of the Notice of Recordation of Assignment Document as received from the USPTO (3 pages);
- Copy of the originally submitted Issue Fee Transmittal Form PTOL-85B showing correction (1 page) and
- A check for \$130 is enclosed to cover the Certificate of Correction fee.

Although it is believed there are no additional fees due at this time, authorization is hereby given to charge any unforeseen fees to Deposit Account 50-1147.

Respectfully submitted,



David G. Posz

Reg. No. 37,701,2008 JADD01

Posz Law Group, PLC
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01 FC:1811
02 FC:1999

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US007343235B2

(12) **United States Patent**
Isaji et al.

(10) **Patent No.:** **US 7,343,235 B2**
(45) **Date of Patent:** **Mar. 11, 2008**

(54) **SAFETY DEVICE FOR A VEHICLE**

(56)

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U.S. PATENT DOCUMENTS

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JP A-2003-165461 6/2003
WO WO 97/49578 12/1997

OTHER PUBLICATIONS

Notice of Preliminary Rejection from Korean Patent Office issued on May 29, 2006 for the corresponding Korean patent application No. 10-2005-7012038 (a copy and English translation thereof).
First Office Action from Chinese Patent Office issued on Sep. 29, 2006 for the corresponding Chinese patent application No. 2003801078041 (a copy and English translation thereof).
European Examination Report issued from the European Patent Office dated Sep. 5, 2007 in the corresponding European Application No. 03 786 341.2.

* cited by examiner

Primary Examiner—Gertrude A. Jeanglaude

(74) *Attorney, Agent, or Firm*—Posz Law Group, PLC

(57)

ABSTRACT

In a passenger restraint device for an automotive vehicle, when the relative speed of the vehicle with respect to a crash object changes as a result of a driving maneuver of the vehicle performed before a crash, the actual crash time deviates from an estimated crash time calculated from the distance and the relative speed of the vehicle and the crash object. To resolve this, the actuation timing, actuation rise time and seat belt tension of a seat belt reeling-in device are varied on the basis of information relating to a deceleration rate that is a rate of decrease of the relative speed.

31 Claims, 4 Drawing Sheets

(75) **Inventors:** **Kazuyoshi Isaji, Kariya (JP); Hideki Kato, Nisshin (JP)**

(73) **Assignees:** **DENCO CORPORATION, Kariya (JP); Toyota Jidosha Kabushiki Kaisha, Toyota (JP)**

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35

DENSO CORPORATION

(86) **PCT No.:** **PCT/JP03/16834**

§ 371 (c)(1),
(2), (4) **Date:** **Jun. 23, 2005**

(87) **PCT Pub. No.:** **WO2004/058546**

PCT Pub. Date: **Jul. 15, 2004**

(65) **Prior Publication Data**

US 2006/0145463 A1 Jul. 6, 2006

(30) **Foreign Application Priority Data**

Dec. 26, 2002 (JP) 2002-377384

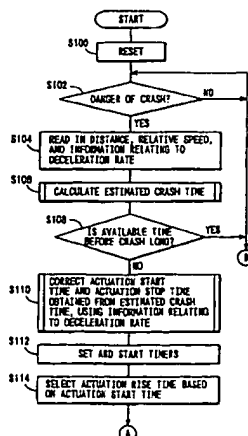
(51) **Int. Cl.**

B60R 22/00 (2006.01)

(52) **U.S. Cl.** 701/45; 280/734; 180/268;
180/271; 340/436; 340/903

(58) **Field of Classification Search** 701/45,
701/46, 47; 280/734, 735; 180/268, 271,
180/274; 340/435, 436, 903

See application file for complete search history.



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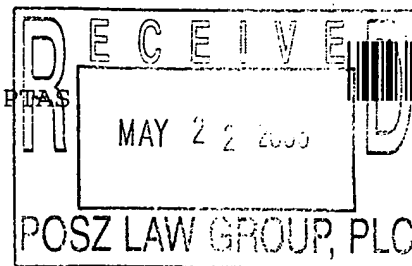
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UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 12, 2006

DAVID G. POSZ
POSZ LAW GROUP, PLC
12040 SOUTH LAKES DRIVE
SUITE 101
RESTON, VA 20191



103187681A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 06/23/2005

REEL/FRAME: 017610/0528

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ISAJI, KAZUYOSHI

DOC DATE: 06/06/2005

ASSIGNOR:

KATO, HIDEKI

DOC DATE: 06/13/2005

ASSIGNEE:

DENSO CORPORATION
1-1, SHOWA-CHO, KARIYA-CITY
AICHI-PREF. 448-8661, JAPAN

ASSIGNEE:

TOYOTA JIDOSHA KABUSHIKI KAISHA
1, TOYOTA-CHO, TOYOTA-CITY
AICHI-PREF., 471-8571, JAPAN

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PATENT SECTION

JUN 10 2008

017610/0528 PAGE 2

SERIAL NUMBER: 10540264

FILING DATE: 06/23/2005

PATENT NUMBER:

ISSUE DATE:

TITLE: SAFETY DEVICE FOR MOTOR VEHICLE

TARA WASHINGTON, EXAMINER
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

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6/23/05

A-10001-40

10/540264



Based on Form PTO-1595
OMB No. 0651-0027

03-02-2006

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17 Rec'd PCT/PTO 23 JUN 2005

To the honorable Comm.

103187681

ached original documents or copy thereof.

1. Name of conveying party(ies):

(1) Kazuyoshi ISAJI
(2) Hideki KATO

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: **DENSO CORPORATION**
Street Address: **1-1, Showa-cho, Kariya-city,**
Aichi-pref.,
448-8661 JAPAN

Name: **TOYOTA JIDOSHA KABUSHIKI KAISHA**
Street Address: **1, Toyota-cho, Toyota-city,**
Aichi-pref.,
471-8571 JAPAN

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date(s): **(1): June 6, 2005 (2): June 13, 2005**

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

Month Day Year

If this document is being filed together with a new application, the execution date of the application is: (1): 06 06 2005
(2): 06 13 2005

A. Patent Application No.(s)

B. Patent No.(s)

06/29/2005 MKAYPAGH 00000049 10540264

06 FC:8021

(40.00 OP)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **David G. Posz**

Internal Address: _____

Street Address: **Posz Law Group, PLC**

12040 South Lakes Drive, Suite 101

City: **Reston** State: **VA** Zip: **20191**

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41). \$ 40

☒ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David G. Posz (Reg. No. 37,701)

Name of Person Signing

David G. Posz
Signature

June 23, 2005

Date

Total number of pages including cover sheet, attachments, and documents: **2**

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(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/540,264	06/23/2005	Kazuyoshi Isaji	01-518-TN	1431

TITLE OF INVENTION: SAFETY DEVICE FOR A VEHICLE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	01/22/2008

EXAMINER	ART UNIT	CLASS. SUBCLASS
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ARTHUR JEANGLAUDE, GERTRUDE

Change of correspondence address or in-
FR 1.363).

☐ Change of correspondence address
Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee"
PTO/SB/47; Rev 03-02) more recent
Number is required.

DENSO CORPORATION

listed, no name will be printed.

1 Posz Law Group, PLC

2 _____

3 _____

1. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

~~DENSO CORPORATION~~

Kariya-city, Japan

TOYOTA JIDOSHA KABUSHIKI KAISHA

Toyota-city, Japan

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

1a. The following fee(s) are submitted:

- ☒ Issue Fee
☒ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☒ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 50-1147 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims **SMALL ENTITY** status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming **SMALL ENTITY** status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature David G. Posz

Date January 10, 2008

Typed or printed name David G. Posz

Registration No. 37,701

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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO: 7,343,235
APPLICATION NO.: 10/540,264
ISSUE DATE: March 11, 2008
INVENTOR(S): **Kazuyoshi ISAJI**
Hideki KATO

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page

Correct Item (73), as Assignee's name:

"DENSO" CORPORATION, Kariya (JP)
Toyota Jidosha Kabushiki Kaisha, Toyota (JP)

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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